

Title (en)
Strand anchor

Title (de)
Litzenanker

Title (fr)
Tirant d'ancrage

Publication
EP 2543817 A3 20160525 (DE)

Application
EP 12170918 A 20120606

Priority
DE 102011078767 A 20110707

Abstract (en)

[origin: EP2543817A2] The anchor has longitudinal channels (4) defined between wires (3) of a central strand (2) and allowing discharge of air to outside through the strand when curable material is injected into a bore hole formed in a rock. The wires exhibit different diameters, where the diameter of one wire is larger than 10-30 percentages of the diameter of the other wire. An anchor plate is supported by an anchor head for placement onto the rock. The wires are held concentrically with respect to the strand by annular spacers (8). An independent claim is also included for a method for fastening a strand anchor.

IPC 8 full level
E21D 20/02 (2006.01); **E21D 21/00** (2006.01)

CPC (source: EP US)
E21D 20/028 (2013.01 - EP US); **E21D 21/0026** (2013.01 - EP US); **E21D 21/006** (2016.01 - EP US)

Citation (search report)

- [XY] GB 2281366 A 19950301 - BRIDON PLC [GB]
- [X] US 4289427 A 19810915 - ROLSTON JOHN A
- [Y] DE 4203740 A1 19930812 - DYCKERHOFF & WIDMANN AG [DE]
- [Y] US 5230589 A 19930727 - GILLESPIE HARVEY D [US]
- [X] WO 2010019971 A1 20100218 - SANDVIK MINING & CONSTR OY [ZA], et al
- [X] DE 20206551 U1 20020808 - SUSPA SPANNBETON GMBH [DE]
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- [Y] US 5749681 A 19980512 - DOIJDGE JEFFREY [GB], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)

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RU 2012128347 A 20140120; US 2013011205 A1 20130110

DOCDB simple family (application)

EP 12170918 A 20120606; AU 2012204050 A 20120709; DE 102011078767 A 20110707; RU 2012128347 A 20120706;
US 201213543301 A 20120706